

CLAIMS

What is claimed is:

1 1. A method for managing multimedia broadcast presentations, comprising:
2 receiving a multimedia broadcast signal including at least two media component portions;
3 generating a record data stream representing the multimedia broadcast signal;
4 decoupling component media portions of the record data stream;
5 buffering the record data stream including decoupled component portions by the source;
6 sending the buffered record data stream to a transform;
7 managing a transform task from the source, wherein managing the transform task
8 includes launching the transform task;
9 conducting a transform task, on the record data stream;
10 sending a service data stream to a sink for output;
11 managing a sink task from the source, wherein managing the sink task includes launching
12 the sink task;
13 conducting a sink task, on the service data stream received from the transform; and
14 providing a playback data stream to an output device.

1 2. The method for managing multimedia broadcast presentations of claim 1, further
2 comprising processing posted interrupts from at least one of the sink and the transform by
3 the source.

1 3. The method for managing multimedia broadcast presentations of claim 1, wherein
2 multimedia component portions include at least one of a video signal, an audio signal,
3 and a closed caption signal.

1 4. The method for managing multimedia broadcast presentations of claim 1, wherein
2 transform task includes at least one of storing data on the buffer, retrieving data from the

3 buffer, providing stored data to the sink, and providing the source data stream
4 contemporaneously to the sink.

1 5. The method for managing multimedia broadcast presentations of claim 1, further
2 comprising, accepting a user input control by the sink for utilization by the source for
3 managing streaming data.

1 6. The method for managing multimedia broadcast presentations of claim 5, wherein
2 user input control includes at least one of a pause, a time shift, a data prioritization,
3 altering of the flow of data from the sink, searching stored data.

1 7. The method for managing multimedia broadcast presentations of claim 1, wherein
2 the flow of data to the sink is independent of the flow of data to the transform.

1 8. The method for managing multimedia broadcast presentations of claim 1, wherein
2 a sink task includes at least one of receiving a data stream, outputting a data stream to a
3 decoder.

1 9. A multimedia broadcast management system comprising:
2 a central processing unit including;
3 a source capable of receiving a multimedia broadcast, wherein the source is
4 suitable for generating a record data stream representing the multimedia
5 broadcast;
6 a transform connected to the source, wherein the transform is capable of
7 conducting a transform task on the record data stream from the source, and
8 wherein the source is capable of launching tasking of the transform;
9 a sink connected to the source and the transform, wherein the sink is capable of
10 providing a playback data stream to an output device; and

11 wherein the source manages the source, transform and sink, wherein the sink and
12 the transform are capable of post interrupting the source; and
13 a buffer connected to the transform and the sink, wherein the buffer is capable of storing
14 data.

1 10. The multimedia broadcast management system of claim 9, wherein the
2 multimedia broadcast management system is capable of providing at least one of a
3 preferred audio clip and a preferred video clip during a pause.

1 11. The multimedia broadcast management system of claim 10, wherein the
2 multimedia broadcast system is capable of optioning a user with at least one alternative
3 video clip and audio clip during a pause.

1 12. The multimedia broadcast management system of claim 9, wherein the source is
2 capable of decoupling one media component contained in the record data stream from a
3 second media component of the record data stream.

1 13. The multimedia broadcast management system of claim 12, wherein the
2 multimedia broadcast management system is capable of providing at least one media
3 component independently.

1 14. The multimedia broadcast management system of claim 12, wherein the
2 multimedia broadcast system is capable of providing video components from at least two
3 different multimedia broadcasts.

1 15. The multimedia broadcast management system of claim 9, wherein tasking by the
2 transform includes performing at least one of storing data on the buffer, retrieving data
3 from the buffer, providing buffered data to the sink.

1 16. The multimedia broadcast management system of claim 9, wherein the sink is
2 capable of accepting a user input control, wherein the user input control is utilized by the
3 source to manage streaming data.

1 17. The multimedia broadcast management system of claim 16, wherein the user
2 input control is at least one of inputting a pause command, a time shift, a data
3 prioritization, altering the flow of data from the sink, placing a marker and searching
4 stored data.

1 18. The multimedia broadcast management system of claim 16, wherein the
2 multimedia broadcast management system is capable of scrolling through the recorded
3 portion of the multimedia broadcast during recording.

1 19. The multimedia broadcast management system of claim 16, wherein the
2 multimedia broadcast system is capable of providing a text library for searching stored
3 data.

1 20. The multimedia broadcast management system of claim 9, wherein the
2 multimedia broadcast management system is capable of controlling an external device
3 connected to the system.

1 21. A method for managing multimedia broadcast presentations, comprising:
2 managing a source task by a sink including launching the source task, wherein source
3 tasks include;
4 receiving a multimedia broadcast signal including at least two media component
5 portions;
6 generating a record data stream representing the multimedia broadcast signal;
7 decoupling component media portions of the record data stream;

8 buffering the record data stream including decoupled component portions by the
9 source;
10 sending the buffered record data stream to a transform;
11 managing a transform task from the sink, wherein managing the transform task includes
12 launching the transform task;
13 conducting a transform task, on the source data stream received from the source;
14 managing a sink task from the sink, wherein managing the sink task includes launching
15 the sink task;
16 conducting a sink task, on the service data stream received from the transform; and
17 providing a playback data stream to an output device.

1 22. The method for managing multimedia broadcast presentations of claim 21, further
2 comprising processing posted interrupts from at least one of the sink and the transform by
3 the source.

1 23. The method for managing multimedia broadcast presentations of claim 21,
2 wherein the multimedia component portions include at least one of a video signal, an
3 audio signal, and a closed caption signal.

1 24. The method for managing multimedia broadcast presentations of claim 21,
2 wherein transform task includes at least one of storing data on the buffer, retrieving data
3 from the buffer, providing stored data to the sink, and providing the source data stream
4 contemporaneously to the sink.

1 25. The method for managing multimedia broadcast presentations of claim 21, further
2 comprising accepting a user input control by the sink, wherein the accepted user input
3 control is utilized by the sink to manage streaming data.

1 26. The method for managing multimedia broadcast presentations of claim 25,
2 wherein the user input control includes at least one of a pause, a time shift, a data
3 prioritization, altering of the flow of data from the sink, searching stored data.

1 27. The method for managing multimedia broadcast presentations of claim 21,
2 wherein the flow of data to the sink is independent of the flow of data to the transform.

1 28. The method for managing multimedia broadcast presentations of claim 21,
2 wherein a sink task includes at least one of receiving a data stream, outputting a data
3 stream to a decoder.

1 29. A multimedia broadcast management system comprising:
2 a central processing unit including;
3 a source capable of receiving a multimedia broadcast, wherein the source is
4 suitable for conducting a source task;
5 a transform connected to the source, wherein the transform is capable of tasking
6 buffering of the source data stream from the source, and wherein the
7 source is capable of launching tasking of the transform; and
8 a sink connected to the source and the transform, the sink is capable of providing
9 a playback data stream to an output device; and
10 wherein the sink manages the source, transform and sink, wherein the source and
11 the transform are capable of post interrupting the sink; and
12 a buffer connected to the source and the transform, wherein the buffer is capable of
13 storing data.

1 30. The media broadcast management system of claim 29, wherein tasking by the
2 source includes performing at least one of generating a record data stream, decoupling
3 component portions of the record data stream, buffering the record data stream,

1 temporarily storing the record data stream, and sending the record data stream to the
2 transform.

1 31. The multimedia broadcast management system of claim 29, wherein the
2 multimedia broadcast management system is capable of providing at least one of a
3 preferred audio clip and a preferred video clip during a pause.

1 32. The multimedia broadcast management system of claim 31, wherein the
2 multimedia broadcast system is capable of optioning a user with at least one alternative
3 video clip and audio clip during a pause.

1 33. The media broadcast management system of claim 29, wherein the multimedia
2 broadcast management system is capable of providing at least one media component
3 independently.

1 34. The multimedia broadcast management system of claim 29, wherein the
2 multimedia broadcast system is capable of providing video components from at least two
3 different multimedia broadcasts.

1 35. The media broadcast management system of claim 29, wherein tasking by the
2 transform includes performing at least one of storing data on the buffer, retrieving data
3 from the buffer, providing buffered data to the sink.

1 36. The media broadcast management system of claim 29, wherein the sink is capable
2 of accepting a user input control, wherein the accepted user input control is utilized by
3 the source to manage the source data stream.

37. The media broadcast management system of claim 36, wherein the user input control is at least one of inputting a pause command, a time shift, a data prioritization, altering the flow of data from the sink, placing a marker and searching stored data.

38. The multimedia broadcast management system of claim 36, wherein the multimedia broadcast management system is capable of scrolling through the recorded portion of the multimedia broadcast during recording.

39. The multimedia broadcast management system of claim 36, wherein the multimedia broadcast system is capable of providing a text library for searching stored data.

40. The multimedia broadcast management system of claim 29, wherein the multimedia broadcast management system is capable of controlling an external device connected to the system.

41. A software system for managing multimedia broadcasts, comprising:
an electronically readable medium encoded to cause a central processing unit executing the software system for managing multimedia broadcasts to effectively generate;
a source capable of receiving a multimedia broadcast, wherein the source is suitable for generating a record data stream representing the multimedia broadcast;
a transform connected to the source, wherein the transform is capable of conducting a transform task on the record data stream from the source, and wherein the source is capable of launching tasking of the transform;
a sink connected to the source and the transform, wherein the sink is capable of providing a playback data stream to an output device; and
wherein the source manages the source, transform and sink, wherein the sink and the transform are capable of post interrupting the source.

- 1 42. A software system for managing multimedia broadcasts, comprising:
2 an electronically readable medium encoded to cause a central processing unit executing
3 the software system for managing multimedia broadcasts to effectively generate;
4 a source capable of receiving a multimedia broadcast, wherein the source is
5 suitable for conducting a source task;
6 a transform connected to the source, wherein the transform is capable of tasking
7 buffering of the source data stream from the source, and wherein the
8 source is capable of launching tasking of the transform; and
9 a sink connected to the source and the transform, the sink is capable of providing
10 a playback data stream to an output device; and
11 wherein the sink manages the source, transform and sink, wherein the source and
12 the transform are capable of post interrupting the sink.